SONY

4-246-845-**13**(1)

Mini Hi-Fi Component System

Operating Instructions

MHC-WZ50
MHC-WZ5

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WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To prevent fire, do not cover the ventilation of the apparatus with news papers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

This appliance is classified as a CLASS 1 LASER product. This label is located on the rear exterior.

The following caution label is located inside the apparatus.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.
ADVARSEL : USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSAETTELSE FOR STRÅLING.
VORSICHT : UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET UND SICHEREITSVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHL AUSSETZEN.
VARO! : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VARNING : OSYNLING LASERSTRÅLING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.
ADVERSEL : USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
VIGYAZAT! : A BURKOLAT NYITÁSAKOR LÁTHATATLAN LÉZERSUGÁRVESZÉLY! KERÜLJE A BESUGÁRZÁST!

Don't throw away the battery with general house waste, dispose of it correctly as chemical waste.

Except for European model

ENERGY STAR® is a U.S. registered mark. As an ENERGY STAR® partner, Sony Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

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How to use this manual

- This manual mainly explains operations using the remote, but the same operations can also be performed using the buttons on the CD player having the same or similar names.
- The following symbols are used in this manual.

Symbol	Meaning
CD	Functions that can be used with audio CDs
MP3	Functions that can be used with MP3

Playable discs

You can play back the following discs on this system. Other discs cannot be played back.

List of playable discs

Format of discs	Disc logo	Contents
Audio CDs	COMPACT disc DIGITAL AUDIO TEXT	Audio
CD-R/CD-RW (audio data)	COMPACT disc DIGITAL AUDIO Recordable / COMPACT disc DIGITAL AUDIO ReWritable	Audio
CD-R/CD-RW (MP3 files)	COMPACT disc DIGITAL AUDIO Recordable / COMPACT disc DIGITAL AUDIO ReWritable / COMPACT disc Recordable / COMPACT disc ReWritable	Audio

Discs that this system cannot play

- CD-ROMs
- CD-Rs/CD-RWs other than those recorded in the following formats:
  - music CD format
  - MP3 format that conforms to ISO9660*1 Level 1/Level 2, Joliet or Multi Session*2
- A disc that has a non-standard shape (e.g., card, heart).
- A disc with paper or stickers on it.
- A disc that has the adhesive, cellophane tape, or a sticker still left on it.

*1 ISO 9660 Format

The most common international standard for the logical format of files and folders on a CD-ROM. There are several specification levels. In Level 1, file names must be in the 8.3 format (no more than eight characters in the name, no more than three characters in the extension ".MP3") and in capital letters. Folder names can be no longer than eight characters. There can be no more than eight nested folder levels. Level 2 specifications allow file names and folder names up to 31 characters long. Each folder can have up to 8 trees.

For Joliet in the expansion format (file and folder names can have up to 64 characters) make sure of the contents of the writing software, etc.

*2 Multi Session

This is a recording method that enables adding of data using the Track-At-Once method. Conventional CDs begin at a CD control area called the Lead-in and end at an area called Lead-out. A Multi Session CD is a CD having multiple sessions, with each segment from Lead-in to Lead-out regarded as a single session.

CD-Extra: This format records audio (audio CD data) on the tracks in session 1 and data on the tracks in session 2.

Mixed CD: This format records data on the first track and audio (audio CD data) on the second and subsequent tracks of a session.

Notes on CD-R and CD-RW

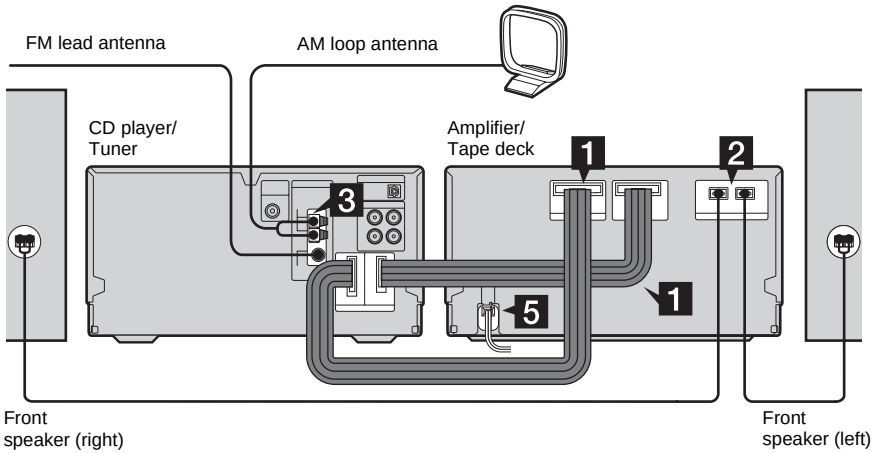
- This system can play CD-R/CD-RW discs edited by the user. However, note that playback of some discs may not be possible depending on the recording device used for recording or the disc condition.
- CD-R and CD-RW discs that have not been finalized (processing to allow play by a normal CD player) cannot be played.
- CD-R and CD-RW discs recorded in multi-session that have not ended by “closing the session” are not supported.
- The system may be unable to play MP3 format files that do not have the extender “.MP3”.
- Attempting to play non-MP3 format files that have the extender “.MP3” may result in noise or malfunction.

Music discs encoded with copyright protection technologies

This product is designed to playback discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

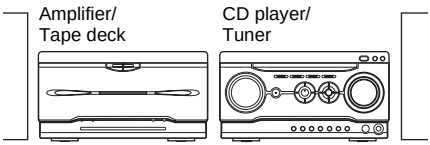
Hooking up the system

Perform the following procedures **1** to **5** to hook up your system using the supplied cords and accessories. Australian model is used for illustration purpose.



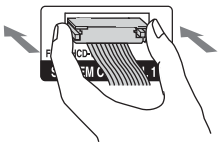
Preparation

Place the components as shown below.



1 Connect the system control cables to the SYSTEM CONTROL connectors on the tape deck.

Connect to the same numbered jack in the order indicated on the rear panel.



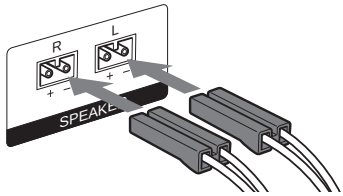
Note

The system cable is used to send signals and electricity between the components for interlinked operation.

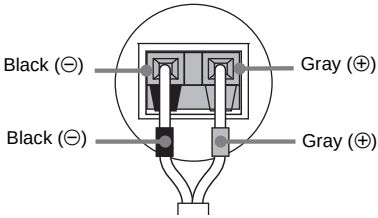
Be sure to insert the connector horizontally until it clicks into place. Otherwise the system will not operate correctly.

2 Connect the speakers.

Connect the speaker cords to the SPEAKER terminals on the tape deck and to the terminals on the speakers as shown below.

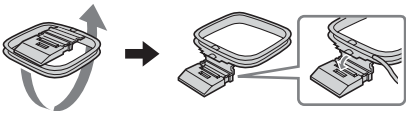


Speakers

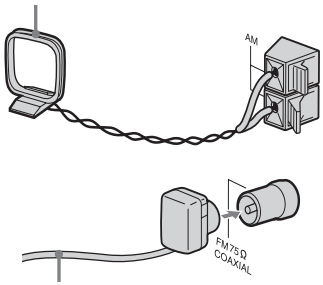


3 Connect the FM and AM antennas.

Set up the AM loop antenna, then connect it.



AM loop antenna



Extend the FM lead antenna horizontally

Note

Keep the antennas away from the speaker cords.

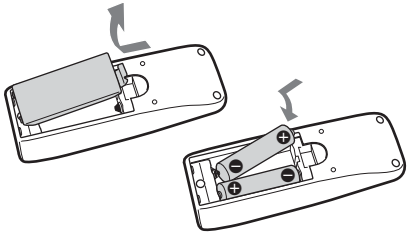
4 For models with a voltage selector, set VOLTAGE SELECTOR to the local power line voltage.

5 Connect the power cord to a wall outlet.

The demonstration appears in the display. When you press **I/⏻**, the system turns on and the demonstration automatically ends.

If the plug does not fit the wall socket, detach the supplied plug adaptor (only for models equipped with an adaptor).

Inserting two size AA (R6) batteries into the remote



Note

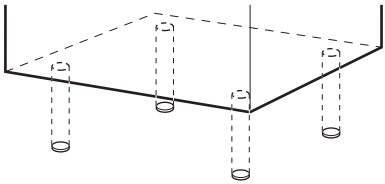
If you do not use the remote for a long period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Tip

With normal use, the batteries should last for about six months. When the remote no longer operates the system, replace both batteries with new ones.

Attaching the speaker pads

Attach the supplied front speaker pads to the bottom of the speakers to stabilize the speakers and prevent them from slipping.



When carrying this system

Perform the following procedure to protect the CD mechanism.
Use buttons on the CD player for the operation.

1. Make sure that the disc removed from the system.
2. Press CD.
3. While holding down ■, move control lever to ↑ until “LOCK” appears.
4. Release ↑ first, then release ■.
5. Unplug the power cord.

Setting the clock

Use buttons on the remote for the operation.

1 Press I/⏻ to turn on the system.

2 Press CLOCK/TIMER SET.

3 Press I◀◀ or ▶▶I repeatedly to set the hour.

4 Press ENTER.

5 Press I◀◀ or ▶▶I repeatedly to set the minute.

6 Press ENTER.

The clock starts working.

To adjust the clock

1 Press CLOCK/TIMER SET.

2 Press I◀◀ or ▶▶I repeatedly to select "CLOCK SET?", then press ENTER.

3 Do the same procedures as step 3 to 6 above.

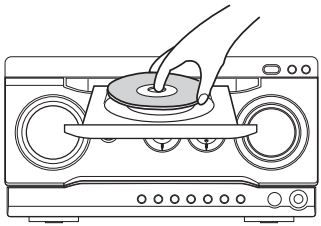
CD/MP3 – Play

Loading a disc

Use buttons on the CD player for the operation.

1 Press ⏏.

2 Place a disc with the label side up on the disc tray.



3 Press ⏏ again to close the disc tray.

Notes

- Do not use a disc with tape, seals or paste on it as this may cause malfunction.
- Do not forcibly press the disc tray closed with your finger, as this may cause malfunction.

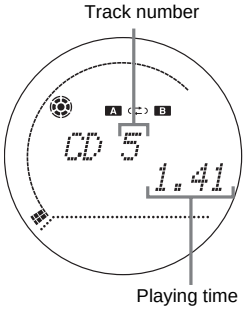
Playing a disc

— Normal Play/Shuffle Play

CD MP3

This system lets you play audio CDs and discs with MP3 audio tracks.

Example: When a disc is loaded



1 Press CD.

2 Press PLAY MODE/DIRECTION on the CD player in stop mode repeatedly until the mode you want appears in the display.

Select	To play
No display (Normal Play)	The tracks on the disc in original order.
ALBM (Normal Play)	All MP3 audio tracks in the album on the disc you have selected in original order. When playing a non-MP3 disc, Album Play performs the same operation as Normal play.
SHUF (Shuffle Play)	All tracks on the disc in random order.
ALBM SHUF (Shuffle Play)	The MP3 audio tracks in the album on the disc you have selected in random order. When playing a non-MP3 disc, Album Shuffle Play performs the same operation as Shuffle play.
PGM (Program Play)	The tracks on the disc in the order you want them to be played (see "Creating your own program" on page 10).

3 Press ◄►.

Other operations

To	Do this
Stop play	Press ■.
Pause	Press ❚❚. Press again to resume play.
Select a track	Press ⏮ or ⏭ repeatedly.
Select an album of MP3*	Press ALBUM – or + repeatedly after step 2.
Find a point in a track	Keep pressing ◄◄ or ►► during playback and release it at the desired point.
Remove a disc	Press ⏏ on the CD player.

* You may not be able to search between multiple files. Also, the time may not be displayed correctly for some files.

Notes

- You cannot change the play mode during playback.
- Some time may be needed to start playback of discs recorded in complex configurations such as many layers.
- When the disc is inserted, the player reads all the tracks on that disc. If there are many albums or non-MP3 audio tracks on the disc, it may take a long time for play to begin or for the next MP3 audio track to start play.
- Do not save unnecessary albums or tracks other than MP3 ones in the disc to be used for MP3 listening. We recommend that you do not save other types of tracks or unnecessary albums on a disc that has MP3 audio tracks.
- An album that does not include an MP3 audio track is skipped.
- Maximum album number: 150 (including root folder)
- The maximum number of MP3 audio tracks and albums that can be contained on a single disc is 300.
- Playback is possible up to 8 levels.
- MP3 audio tracks are played back in the order that they are recorded on the disc.
- Depending on the encoding/writing software, recording device, or the recording media used at the time an MP3 audio track is recorded, you may encounter such problems as disabled playback, sound interruptions, and noise.

Tip

When disc access takes a long time, set "CD POWER ON" by CD power manage function (page 13).

Playing repeatedly

— Repeat Play

CD MP3

You can play all the tracks or a single track on a disc repeatedly.
Use buttons on the CD player for the operation.

Using the display window

Press REPEAT/FM MODE during playback until "REP" or "REP1" appears.

REP: For all the tracks on the disc up to five times.
REP1: For a single track only.

To cancel Repeat Play

Press REPEAT/FM MODE repeatedly until both "REP" and "REP1" disappear.

Note

When you select "REP1", that track is repeated endlessly until "REP1" is canceled.

Creating your own program

— Program Play

CD MP3

You can make a program of up to 25 tracks in the order you want to play them.
You can synchro record the programmed tracks onto a cassette tape (page 17).

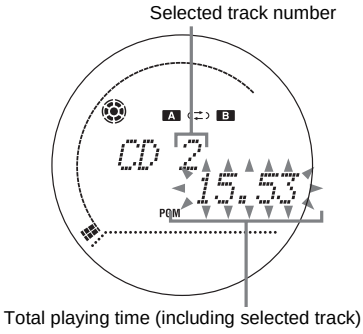
Using the display window

1 **Press CD.**

2 **Press PLAY MODE/DIRECTION on the CD player in stop mode repeatedly until "PGM" appears.**

3 **Press I◄◄ or ►►I repeatedly until the desired track number appears.**

When programming an MP3, press ALBUM – or + to select album, then press I◄◄ or ►►I repeatedly until the desired track number appears.



4 **Press ENTER.**

The track is programmed.
The program step number appears, followed by the total playing time.

5 **To program additional tracks, repeat steps 3 and 4.**

6 **Press ◄I►.**

Program Play starts.

Other operations

To	Do this
Cancel Program Play	Press PLAY MODE/ DIRECTION on the CD player in stop mode repeatedly until “PGM” disappears.
Check the program	Press ⏮ or ⏭ repeatedly during play.
Clear a track from the end	Press CLEAR on the remote in stop mode.

Tips

- The program you made remains after Program Play finishes. To play the same program again, press CD, then press ◄►. However, the program is cleared when you open the disc tray.
- “– –.– –” appears when the total CD program time exceeds 100 minutes, or when you select a CD track whose number is 21 or over, or when you select an MP3 audio track.

Tuner

Presetting radio stations

You can preset up to 20 FM stations and 10 AM stations. You can then tune in any of those stations simply by selecting the corresponding preset number.
Use buttons on the CD player for the operation.

Automatic tuning preset

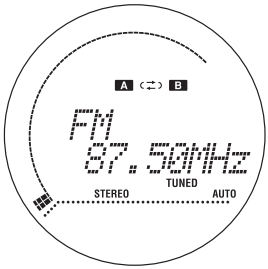
You can automatically tune in all of the stations that can be received in your area and then store the radio frequency of the desired stations.

1 Press TUNER/BAND repeatedly to select "FM" or "AM".

2 Press TUNING MODE repeatedly until "AUTO" appears.

3 Press ◀◀/▶▶ (or TUNING –/+ on the remote).

The frequency changes as the system scans for a station. Scanning stops automatically when a station is tuned in. At that time, "TUNED" and "STEREO" (for an FM stereo program) appear.

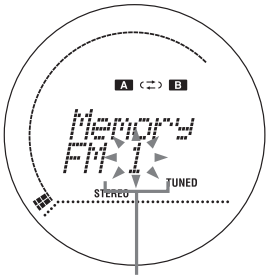


If "TUNED" does not appear and the scanning does not stop

Set the frequency of the desired radio station as described in steps 2 and 3 of "Manual tuning preset" (page 12).

4 Press TUNER MEMORY.

A preset number flashes.



Preset number

5 Press I◀◀/▶▶I (or PRESET –/+ on the remote) repeatedly to select the desired preset number.

6 Press PUSH ENTER.

"Complete!" appears in the display.

7 Repeat steps 1 through 6 to store other stations.

Manual tuning preset

You can manually tune in and store the radio frequency of the desired stations.
Use buttons on the CD player for the operation.

1 Press TUNER/BAND repeatedly to select "FM" or "AM".

2 Press TUNING MODE repeatedly until "PRESET" and "AUTO" disappear.

3 Press ◀◀/▶▶ (or TUNING –/+ on the remote) repeatedly to tune in the desired station.

4 Press TUNER MEMORY.

A preset number flashes.

5 Press I◀◀/▶▶I (or PRESET –/+ on the remote) repeatedly to select the desired preset number.

6 Press PUSH ENTER.

7 Repeat steps 1 through 6 to store other stations.

Other Operations

To	Do this
Tune in a station with a weak signal	Follow the procedure described in “Manual tuning preset” (page 12).
Set another station to the existing preset number	Start over from step 1. After step 4, press I◄◄ /►►I (or PRESET –/+ on the remote) repeatedly to select the preset number you want to store the other station.

To improve tuner reception

When tuner reception is poor, set CD player power off by CD power manage function. CD power is factory set to on.

1 Press CD.

2 Press I/⏻ to turn off the system.

3 Press I/⏻ while holding ■.

“CD POWER OFF” appears.

To set the CD power on

Repeat the procedure above and “CD POWER ON” appears.

Note

When “CD POWER OFF” is selected, CD access time is increased.

To change the AM tuning interval (except for European model)

The AM tuning interval is factory-preset to 9 kHz (or 10 kHz for some areas). To change the AM tuning interval, tune in any AM station first, then turn off the system. While holding ■, press I/⏻. When you change the interval, all the AM preset stations are erased. To reset the interval, repeat the same procedure.

Note

You cannot change the AM tuning interval in the Power Saving Mode.

Tips

- The preset stations are retained for half a day even if you disconnect the power cord or if a power failure occurs.
- To improve the reception, adjust the supplied antennas or connect an external antenna.

Listening to the radio

You can listen to a radio station either by selecting a preset station, or by manually tuning in the station.
Use buttons on the CD player for the operation.

Listening to a preset station

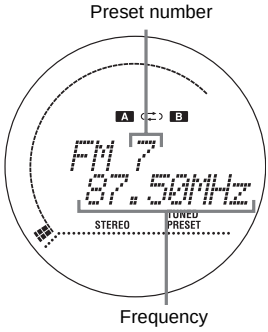
— Preset Tuning

Preset radio stations in the tuner’s memory first (see “Presetting radio stations” on page 12).

1 Press TUNER/BAND repeatedly to select “FM” or “AM”.

2 Press TUNING MODE repeatedly until “PRESET” appears.

3 Press I◄◄ /►►I (or PRESET –/+ on the remote) repeatedly to select the desired preset station.



Listening to non-preset radio station

— Manual Tuning

1 Press TUNER/BAND repeatedly to select “FM” or “AM”.

2 Press TUNING MODE repeatedly until “PRESET” and “AUTO” disappear.

3 Press ◄◄/►► (or TUNING –/+ on the remote) repeatedly to tune in the desired station.

continued

Tips

- To improve broadcast reception, adjust the supplied antennas, or connect a commercially available external antenna.
- When an FM stereo program has static noise, press REPEAT/FM MODE repeatedly until “MONO” appears. There will be no stereo effect, but the reception will improve.
- Press TUNING MODE repeatedly until “AUTO” appears in step 2 above, then press ◀◀/▶▶ (or TUNING –/+ on the remote). The frequency indication changes and scanning stops when the system tunes in a station (Automatic Tuning).
- To record the radio programs, use manual recording (pages 18 and 22).

Using the Radio Data System (RDS)

(European model only)

What is the Radio Data System?

Radio Data System (RDS) is a broadcasting service that allows radio stations to send additional information along with the regular program signal. This tuner offers convenient RDS features like station name and program type* display. RDS is available only on FM stations.**

Note

RDS may not work properly if the station you are tuned in is not transmitting the RDS signal properly or if the signal is weak.

* The types of programs include NEWS, AFFAIRS (current news), INFO, SPORT, EDUCATE (education programs), DRAMA, CULTURE, SCIENCE, VARIED (interviews, games and comedy), POP M, ROCK M, EASY M, LIGHT M, CLASSICS, OTHER M, WEATHER, FINANCE, CHILDREN, SOCIAL, RELIGION, PHONE IN, TRAVEL, LEISURE, JAZZ, COUNTRY (country music), NATION M (nation’s popular music), OLDIES, FOLK M, DOCUMENT (investigative features), TEST (test signal for emergency broadcast), ALARM! (emergency broadcast) and NONE (any programs not defined above).

** Not all FM stations provide RDS service, nor do they provide the same types of services. If you are not familiar with the RDS system, check with your local radio stations for details on RDS services in your area.

Receiving RDS broadcasts

Simply select a station from the FM band.

When you tune in a station that provides RDS services, the station name appears in the display.

To check the RDS information

Each time you press DISPLAY, the display changes cyclically as follows:
Station name* → Frequency → Program type* → Clock display → Effect status

* If the RDS broadcast is not properly received, the station name or the program type may not appear in the display.

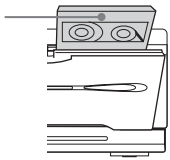
Tape – Play

Loading a tape

1 Press A ⏏ or ⏏ B on the tape deck.

2 Load a recorded/recordable tape into the cassette holder.

With the side you want to play/record facing forward.



Playing a tape

You can use TYPE I (normal) tape.

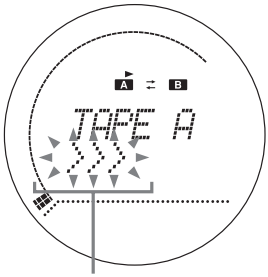
1 Load a tape.

2 Press TAPE A/B.

3 Press PLAY MODE/DIRECTION on the CD player repeatedly to select "⇄" to play one side. Select "↻" to play both sides. Select "RELAY" (Relay Play)* to play both decks in succession.

4 Press ◄►.

The tape starts playing.



Playing direction

* Relay play always follow this cyclic sequence:
Deck A (front side) → Deck A (reverse side) → Deck B (front side) → Deck B (reverse side)

Other operations

To	Do this
Play the reverse side	Press ◄► again during play.
Stop play	Press ■.
Pause	Press ❚❚. Press again to resume play.
Fast-forward or rewind	Press ◄◄ or ►► in stop mode.
Search for the beginning of the next track (AMS)*	Press ►►I during play. Each time you press the button, the search direction, + (forward), and number of tracks being skipped (1 to 9) appear.
Search for the beginning of the current track or previous track (AMS)*	Press I◄◄ during play. Each time you press the button, the search direction, – (back), and number of tracks being skipped (1 to 9) appear.
Remove a tape	Press A ⏏ or ⏏ B on the tape deck.

* AMS (Automatic Music Sensor)

Note

The AMS function may not operate correctly under the following circumstances:

– When the unrecorded space between songs is less than 4 seconds long.
– When the system is placed near a television.

Tip

If you select "↻" or "RELAY", the deck stops automatically after repeating the sequence five times.

Recording your favorite CD tracks on a tape

— CD-TAPE Synchro Recording

You can record a whole CD on a tape.
You can use TYPE I (normal) tape. The recording level is adjusted automatically.
Use buttons on the CD player for the operation.

1 Load a recordable tape into deck B.

2 Press TAPE A/B to select deck B, then press ◄► repeatedly to select recording side. And press ■ to stop playback.

3 Press CD and load a disc you want to record.

4 Press CD SYNC.

Deck B stands by for recording.
"REC" flashes.

5 Press PLAY MODE/DIRECTION repeatedly to select "⇄" to record on one side. Select "↻⇄" (or "RELAY") to record on both sides.

6 Press ● START.

Recording starts.

To stop recording

Press ■.

To record a disc by specifying track order

You can record only your favorite CD tracks using Program Play. Between steps 2 and 3, perform steps 1 to 5 of "Creating your own program" (page 10).
Also, you can check the required tape length for recording a CD. Press PROGRAM EDIT on the remote after you have loaded a CD in CD function. The required tape length for the currently selected CD appears, followed by the total playing time for side A and side B respectively (Tape Select Edit).

Note

You cannot use Tape Select Edit for discs containing over 20 tracks or MP3 files.

Tips

- When you record on both sides, be sure to start from the front side. If you start from the reverse side, recording stops at the end of the reverse side.
- If you select both sides recording and the tape reaches the end of the front side part-way through a track, the entire track is recorded again from the beginning of the reverse side.

Recording on a tape manually

— Manual Recording

You can record just the portions you like from a CD, tape or radio program on a tape.
You can also record from connected components (see "Hooking up optional components" on page 25).
Use buttons on the CD player for the operation.

1 Load a recordable tape into deck B.

2 Press TAPE A/B to select deck B, then press ◄► repeatedly to select recording side. And press ■ to stop playback.

3 Press CD, TAPE A/B or TUNER/BAND to select the desired source to record.

- CD: To record from this system's CD player.
- TAPE: To record from this system's tape deck A.
- TUNER: To record from this system's tuner.
- MD or VIDEO: To record from the optional component connected to the MD (VIDEO) IN jacks.

4 Press ● START.

Deck B stands by for recording.
"REC" flashes.

5 Press PLAY MODE/DIRECTION repeatedly to select "⇄" to record on one side. Select "↻⇄" (or "RELAY") to record on both sides.

6 Press ● START, then start playing the desired source to record.

Recording starts.

Other operations

To	Do this
Stop recording	Press ■.
Pause recording	Press ● START. Press again to resume recording.

Notes

- You cannot listen to other sources while recording.
- If TAPE B is selected in step 3, silence is recorded.

Tips

- For recording from the radio:
  If noise is heard while recording from the radio, move the respective antenna to reduce the noise.
- When you record on both sides, be sure to start from the front side. If you start from the reverse side, recording stops at the end of the reverse side.

Sound Adjustment

Adjusting the sound

You can reinforce the bass and create a more powerful sound.
The GROOVE setting is ideal for music sources, and the V-GROOVE setting is ideal for video sources (movies, etc.).

Press GROOVE.

Each time you press the button, the display changes cyclically as follows:
GROOVE → V-GROOVE →
GROOVE OFF (off)

Selecting the sound effect

Use buttons on the remote for the operation.

Press MUSIC MODE or MOVIE MODE repeatedly to select the preset you desire.

The preset name appears in the display.
See the chart “Sound effect options”.

To cancel the effect

Press EFFECT repeatedly until “EFFECT OFF” appears.

Sound effect options

MUSIC MODE

Effect	
ROCK	Standard music sources
POP	
JAZZ	
DANCE	
SOUL	
CLASSIC	
P FILE	

MOVIE MODE

Effect	
ACTION	Soundtracks and special listening situations
DRAMA	
MUSICAL	

Selecting the surround effect

Press SURROUND.

"SURR" appears in the display.

To cancel the surround effect

Press SURROUND again until "SURR" disappears.

Adjusting the graphic equalizer and storing

— Personal file

You can adjust the sound by raising or lowering the levels of specific frequency ranges, then store a personal file (P FILE) in the memory. Before operating, first select the basic audio emphasis you want for your sound.
Use buttons on the CD player for the operation.

1 **Press EQ EDIT.**

The first parameter is displayed.

2 **Move control lever to ← or → to select the frequency range, and then move control lever to ↑ or ↓ to select the gain (dB).**

3 **Press PUSH ENTER.**

"P FILE" appears.

This setting is automatically stored as a personal file, and the SURROUND setting is also stored at the same time.

The setting is overwrited each time you press PUSH ENTER.

Other operations

To	Do this
Call up a personal file	Press MUSIC MODE repeatedly until "P FILE" appears.
Cancel a personal file	Press EFFECT on the remote repeatedly until "EFFECT OFF" appears.

Falling asleep to music

— Sleep Timer

You can set the system to turn off after a certain time, so that you can fall asleep to music.
Use buttons on the remote for the operation.

Press SLEEP.

Each time you press the button, the minute display (the turn-off time) changes cyclically as follows:
OFF → AUTO* → 90min → 80min → 70min → … → 10min

* The system automatically turns off in 100 minutes or after the current disc or tape finishes playing.

Other operations

To	Do this
Check the remaining time**	Press SLEEP once.
Change the time to turn off	Press SLEEP repeatedly to select the time you want.
Cancel the Sleep Timer Function	Press SLEEP repeatedly until "SLEEP OFF" appears.

** You cannot check the remaining time if you select "AUTO".

Tip

You can use the Sleep Timer, even if you have not set the clock.

Waking up to music

— Daily Timer

You can wake up to music at a preset time. Make sure you have set the clock (see "Setting the clock" on page 8).
Use buttons on the remote for the operation.

1 Prepare the sound source you want to play.

- CD: Load a disc. To start from a specific track, make a program (see "Creating your own program" on page 10).
- Tape: Load a tape.
- Tuner: Tune in the preset radio station (see "Listening to the radio" on page 13).

2 Press VOL +/– (or turn VOLUME on the CD player) to adjust the volume.

3 Press CLOCK/TIMER SET.

"DAILY SET?" appears.

4 Press ENTER.

"ON" appears and the hour indication flashes.

5 Set the time to start playing.

Press ⏮ or ⏭ repeatedly to set the hour, then press ENTER.
The minute indication flashes.
Press ⏮ or ⏭ repeatedly to set the minute, then press ENTER.

6 Set the time to stop playing following the same procedure as step 5.

7 Press ⏮ or ⏭ repeatedly until the desired sound source appears.

Each time you press the button, the display changes cyclically as follows:

8 Press ENTER.

The start time, the stop time, and the sound source appear in turn, before the original display returns.

9 Press I/⏻ to turn off the system.

continued

Other operations

To	Do this
Check the setting	**1** Press CLOCK/TIMER SELECT. **2** Press ⏮ or ⏭ repeatedly until "DAILY SELECT?" appears, then press ENTER.
Change the setting	Start over from step 1.
Cancel the timer	**1** Press CLOCK/TIMER SELECT. **2** Press ⏮ or ⏭ repeatedly until "TIMER OFF?" appears, then press ENTER.

Notes

- You cannot activate the Daily Timer and timer recording at the same time.
- If you use the Daily Timer and the Sleep Timer at the same time, the Sleep Timer has priority.
- If the system is on at the preset time, the Daily Timer will not be activated.
- You cannot use the optional component connected to MD (VIDEO) IN jacks as the sound source for Daily Timer.

Tip

The system turns on 15 seconds before the preset time.

Timer recording radio programs

You can record a preset radio station from a specified time.
To timer record, you must first preset the radio station (see "Presetting radio stations" on page 12) and set the clock (see "Setting the clock" on page 8).
Use buttons on the remote for the operation.

1 Tune in the preset radio station (see "Listening to a preset station" on page 13).

2 Press CLOCK/TIMER SET.

"DAILY SET?" appears.

3 Press ⏮ or ⏭ repeatedly to select "REC SET?", then press ENTER.

"ON" appears and the hour indication flashes.

4 Set the time to start recording.

Press ⏮ or ⏭ repeatedly to set the hour, then press ENTER.

The minute indication flashes.

Press ⏮ or ⏭ repeatedly to set the minute, then press ENTER.

5 Set the time to stop recording following the same procedure as step 4.

The start time, the stop time, and the preset radio station to be recorded (e.g., "FM20 → TAPE") appear in turn, before the original display returns.

6 Load a recordable tape into deck B.

7 Press I/⏻ to turn off the system.

Other operations

To	Do this
Check the setting	**1** Press CLOCK/TIMER SELECT. **2** Press ⏮ or ⏭ repeatedly until "REC SELECT?" appears, then press ENTER.
Change the setting	Start over from step 1.
Cancel the timer	**1** Press CLOCK/TIMER SELECT. **2** Press ⏮ or ⏭ repeatedly until "TIMER OFF?" appears, then press ENTER.

Notes

- You cannot activate the Daily Timer and timer recording at the same time.
- If you use the timer recording and the Sleep Timer at the same time, the Sleep Timer has priority.
- If the system is on at the preset time, the timer recording will not be activated.
- The volume is reduced to minimum during recording.
- Do not operate the system from the time the system turns on until the recording starts (about 15 seconds before the preset time).
- Note that if the Timer Recording is set at the same time as the Daily Timer sound source is set to tape, the Timer Recording sound may be recorded onto the tape.

Display

Turning off the display

— Power Saving Mode

The demonstration display (display window and buttons lighting and flashing even when the system power is off) and the clock display can be turned off to minimize the amount of power consumed during standby (Power Saving Mode).

Press DISPLAY repeatedly while the system is off until the demonstration display or the clock display disappears.

To cancel Power Saving Mode

Press DISPLAY while the system is off. Each time you press the button, the display switches cyclically as follows:
Demonstration display → Clock display* → No display (Power Saving Mode)

* "– –:– –" appears if you have not set the clock.

Note

You cannot perform the following operations in Power Saving Mode.
– setting the clock
– turning on the system by pressing the function buttons

Tips

- The timer continues to operate in Power Saving Mode.
- I/⏻ indicator lights up even in the Power Saving Mode.

Adjusting the brightness of the display back light

Press DIMMER repeatedly to select the desired setting while the system is on.

The display changes cyclically as follows:
DIMMER OFF → DIMMER 1 → DIMMER 2 → DIMMER 3*

* DIMMER 3 is the darkest.

Viewing information about the disc in the display

You can check the playing time and remaining time of the current track or that of the disc. When a CD-TEXT disc or a disc with MP3 audio tracks is loaded, you can also check the information recorded on disc, such as the titles. When the unit detects CD-TEXT discs, the "CD TEXT" indication appears in the display.

Checking the remaining time and titles (CD/MP3)

Press DISPLAY during Normal Play.

Each time you press the button, the display changes cyclically as follows:
Current track number and elapsed playing time → Current track number and remaining time or "– –.– –"*1 → Remaining time of the disc or "– –.– –"*1 → Track title (CD-TEXT disc or disc with MP3 audio tracks*2 only) → Album name (disc with MP3 audio tracks only) → Clock display (for eight seconds) → Effect status (for eight seconds)

*1 For discs with MP3 audio tracks

*2 When you play back a track with an ID3 tag ver. 1 or ver. 2, the ID3 tag appears. The ID3 tag displays only the track title information.

Checking the total playing time and titles (CD/MP3)

Press DISPLAY in stop mode.

Each time you press the button, the display changes cyclically as follows:

■ When a CD/MP3 is in Normal Play mode

TOC display*1 or total album number of the disc*2 or total track number of the current album*3 → Disc title*4 or volume label*5 or album name*5 → Clock display (for eight seconds) → Effect status (for eight seconds)

*1 TOC = Table of Contents; displays total number of tracks on the disc, and total playing time of the disc

*2 For discs with MP3 audio tracks in Normal play or SHUF mode

*3 For discs with MP3 audio tracks in ALBM or ALBM SHUF mode

*4 For discs with CD-TEXT

*5 For discs with MP3 audio tracks, album titles or volume label may not be displayed depending on the play mode

Depending on the disc, some CD-TEXT information may not appear.

■ When a CD is in Program Play mode

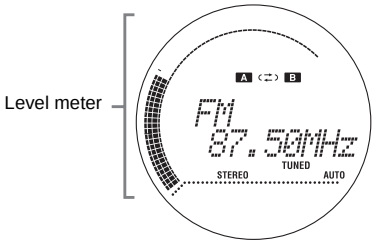
The last track number of the program and the total playing time → Total track number of the program (for five seconds) → Disc title*1 or volume label*2 → Clock display (for eight seconds) → Effect status

*1 For discs with CD-TEXT

*2 For discs with MP3 audio tracks

Viewing the level meter

The level meter in the display shows changes in audio source input levels and volume setting.

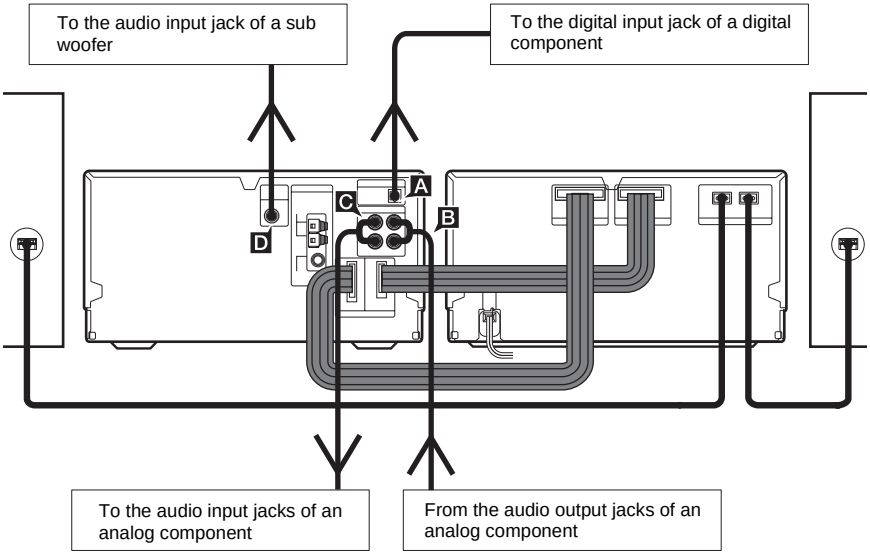


Note

Depending on the audio source being played, the level meter may not change.

Hooking up optional components

To enhance your system, you can connect optional components. Refer to the operating instructions provided with each component.


To the audio input jack of a sub woofer
To the digital input jack of a digital component
A
B
C
D
To the audio input jacks of an analog component
From the audio output jacks of an analog component

A CD DIGITAL (OPTICAL) OUT jack (European and Australian models only)

Use a digital optical cable (square, not supplied) to connect an optional component (such as an MD deck) to this jack. You can then record digital audio from this system.

Note

There is no digital audio output from this jack during playback of MP3 audio tracks.

B MD (VIDEO) IN L/R jacks

Use audio cords (not supplied) to connect an optional analog component (MD deck or VCR, etc.) to these jacks. You can then record or listen to from the component through this system.

C MD (VIDEO) OUT L/R jacks

Use audio cords (not supplied) to connect an optional analog component (MD deck or VCR, etc.) to these jacks. You can then output audio to the component from this system.

D SUB WOOFER OUT jack (Except for European model)

Use an audio cord (not supplied) to connect the optional sub woofer* to this jack. You can then output audio to the component from this system.

* SA-WZ8 is recommended.

Note

The effects may be limited or noise may occur depending on the connected sub woofer or the type of music being played. For details, consult your nearest Sony dealer.

Listening to audio from a connected component

1 **Connect the audio cords.**

See “Hooking up optional components” on page 25.

2 **Press MD (VIDEO) to switch the function to MD or VIDEO.**

Start playing the connected component.

Note

If the sound is distorted or too loud when “VIDEO” is selected or you want to switch back to “MD”, repeat the operation described above to switch to “MD”.

Tip

If you cannot select “VIDEO” by pressing MD (VIDEO) repeatedly, hold down MD (VIDEO) and then press I/⏻ while the power is on. The function will change from “MD” to “VIDEO”, and “VIDEO” will appear in the display. To change back to “MD”, repeat the same procedure.

Recording audio from a connected component

1 **Connect the audio cords.**

See “Hooking up optional components” on page 25.

2 **Start recording manually.**

See “Recording on a tape manually” on page 18.

Troubleshooting

Problems and remedies

Should you encounter a problem with your system, do the following:

1 Make sure the power cord and speaker cords are correctly and firmly connected.

2 Find your problem in the troubleshooting checklist below and take the indicated corrective action.

If the problem persists after doing all of the above, consult your nearest Sony dealer.
In case of repairing, please bring the entire system set (except for the speaker) to the service station.

When the I/⏻ indicator flashes

Immediately unplug the power cord and check the following items.

- Are the system control cables connected correctly?
- If your system has a voltage selector, is the voltage selector set to the correct voltage? Check the voltage for your region, then make sure the voltage selector is set correctly.
- Are the + and – speaker cords short-circuited?
- Are you using the supplied speakers?
- Is anything blocking the ventilation holes on the rear of the system?

Check all the above items and fix any problems found. After I/⏻ indicator stops flashing, reconnect the power cord and turn on the system. If the indicator still flashes, or if the cause of the problem cannot be found even after checking all the above items, consult your nearest Sony dealer.

General

The display starts flashing as soon as you plug in the power cord even though you have not turned on the system (see step 5 of "Hooking up the system" (page 6)).

- Press I/⏻ while the system is off. The demonstration disappears.

"– –:– –" appears in the display.

- A power interruption has occurred. Set the clock (page 8) and timer settings (pages 21 and 22) again.

The clock setting/radio presetting/timer is canceled.

- Redo the following:
  – "Setting the clock" (page 8)
  – "Presetting radio stations" (page 12)
  – "Check the setting" (pages 22 and 23)
  – "Timer recording radio programs" (page 22)

There is no sound.

- If your system has a voltage selector, make sure the voltage selector is set to the correct voltage.
- Press VOL +/– or turn VOLUME control on the CD player clockwise.
- Make sure the headphones are not connected.
- Check the speaker connections (page 6).
- The protective device on the CD player has been activated because of a short circuit. Turn off the power, eliminate the short-circuit problem and turn on the power again.
- There is no audio output during timer-recording.

Sound comes from one channel, or unbalanced left and right volume.

- Place the speakers as symmetrically as possible.
- Connect the supplied speakers.

There is severe hum or noise.

- Move the system away from the source of noise.
- Connect the system to a different wall outlet.
- Install a noise filter (commercially available) to the power cord.

The timer cannot be set.

- Set the clock again (page 8).

The timer does not function.

- Check the timer setting and set the correct time (pages 22 and 23).
- Cancel the Sleep Timer Function (page 21).

continued

The remote does not function.

- Remove the obstacle.
- Move the remote closer to the system.
- Point the remote at the system's sensor.
- Replace the batteries (size AA/R6).
- Locate the system away from the fluorescent light.

The system can not be turned on even though you have pressed I/⏻.

- Make sure the power cord is connected to wall outlet.
- Make sure the system control cables are connected correctly.

The color irregularity on a TV screen persists.

- Turn off the TV set once, then turn it on after 15 to 30 minutes. If the color irregularity still persists, place the speakers farther away from the TV set.

Level meter does not change.

- Depending on the audio source being played, the level meter may not change.

CD/MP3 player

The disc tray does not open and "LOCKED" appears.

- Contact your Sony dealer or local authorized Sony service facility.

The disc tray does not close.

- Place the disc correctly.
- Always close the tray by pressing ⏏ on the CD player. Trying to press the tray closed with your fingers may cause problems with the player.

The disc does not eject.

- You cannot eject the disc during CD Synchro Recording. Press ■ to cancel the CD Synchro Recording, then press ⏏ on the CD player to eject the disc.
- Consult your nearest Sony dealer.

Play does not start.

- Open the disc tray and check whether a disc is loaded.
- Wipe the disc clean (page 31).
- Replace the disc.
- Place the disc that this system can play (page 4).
- Place the disc correctly.
- Place the disc in the tray with the label side up.
- Remove the disc and wipe away the moisture on the disc, then leave the system turned on for a few hours until the moisture evaporates.
- Press ◄► to start play.

Disc access takes a long time.

- Set "CD POWER ON" by CD power manage function (page 13).

The sound skips.

- Wipe the disc clean (page 31).
- Replace the disc.
- Try moving the system to a place without vibration (e.g., on top of a stable stand).
- Try moving the speakers away from the system, or placing them on separate stands. When you listen to a track with bass sounds at high volume, the speaker vibration may cause the sound to skip.

Play does not start from the first track.

- Press PLAY MODE/DIRECTION on the CD player repeatedly until both "PGM" and "SHUF" disappear to return to Normal Play.

MP3 audio track cannot be played back.

- Recording was not performed according to the ISO 9660 level 1 or level 2 format, or Joliet in the expansion format.
- The MP3 audio track does not have the extension ".MP3".
- The data is not stored in MP3 format.
- Discs containing files other than MPEG 1, 2, 2.5 Audio Layer-3 files cannot be played.

MP3 audio tracks take longer to play back than others.

- After the system reads all tracks on the discs, playback may take more time than usual if:
  – the number of albums or tracks on the disc is very large.
  – the album and track organization structure is very complex.

The album title, track title and ID3 tag do not appear correctly.

- Use a disc that conforms with ISO 9660 level 1, level 2, or Joliet in the expansion format.
- The disc ID3 tag is not ver. 1 or ver. 2.

Tuner

Severe hum or noise/stations cannot be received.

- Set the proper band and frequency (page 12).
- Connect the antenna properly (page 7).
- Find a place and an orientation that provide good reception, then set up the antenna again. If you cannot obtain good reception, we recommend you connect a commercially available external antenna.
- The supplied FM lead antenna receives signals along its entire length, so make sure you extend it fully.
- Locate the antennas as far away from the speaker cords as possible.
- Consult your nearest Sony dealer if the supplied AM antenna has come off the plastic stand.
- Try turning off surrounding electrical equipment.
- Set "CD POWER OFF" by CD power manage function (page 13).

A stereo FM program cannot be received in stereo.

- Press REPEAT/FM MODE on the CD player until "MONO" disappears.

Tape deck

The tape does not record or play, or there is a decrease in sound level.

- The heads are dirty. Clean them (page 32).
- The record/playback heads are magnetised. Demagnetise them (page 32).

The tape does not erase completely.

- The record/playback heads are magnetised. Demagnetise them (page 32).

There is excessive wow or flutter, or the sound drops out.

- The capstans or pinch rollers are dirty. Clean them (page 32).

Noise increases or the high frequencies are erased.

- The record/playback heads are magnetised. Demagnetise them (page 32).

The tape does not record.

- No cassette is loaded. Load a cassette.
- The tab has been removed from the cassette. Cover the broken tab with adhesive tape (page 32).
- The tape has wound to the end.

After pressing ◄►, there is a mechanical noise, "EJECT" appears in the display, and the unit enters standby mode automatically.

- Insert the cassette correctly.

If the system still does not operate properly after performing the above measures, reset the system as follows:

Use buttons on the CD player for the operation.

1. Disconnect the power cord.
2. Reconnect the power cord.
3. Press ■, EQ EDIT and I/⏻ at the same time.
4. Press I/⏻ to turn on the system.

The system is reset to the factory settings. You should set the settings you made, such as the preset stations, clock, and timer.

Messages

One of the following messages may appear or flash in the display during operation.

CD/MP3

NO DISC

There is no disc in the player.

OVER

You have reached the end of the disc while pressing ►► during playback or pause.

Push STOP!

You pressed PLAY MODE/DIRECTION on the CD player during playback.

Step Full!

You tried to program 26 or more tracks (steps).

Tape

No Tab

You cannot record the tape because the tab has been removed from the cassette.

No Tape

There is no tape in the tape deck.

Precautions

On operating voltage

Before operating the system, check that the operating voltage of your system is identical with the voltage of your local power supply.

On safety

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Unplug the system from the wall outlet (mains) if it is not to be used for an extended period of time. To disconnect the power cord (mains lead), pull it out by the plug. Never pull the cord itself.
- Should any solid object or liquid fall into the system, unplug the system and have it checked by qualified personnel before operating it any further.
- AC power cord (mains) must be changed only at the qualified service shop.

On placement

- Do not place the system in an inclined position.
- Do not place the system in locations where it is;
  - Extremely hot or cold
  - Dusty or dirty
  - Very humid
  - Subject to vibrations
  - Subject to direct sunlight.
- Use caution when placing the unit or speakers on surfaces that have been specially treated (with wax, oil, polish, etc.) as staining or discoloration of the surface may result.

On heat buildup

- Although the system heats up during operation, this is not a malfunction.
- Place the system in a location with adequate ventilation to prevent heat buildup in the system.
- If you continuously use this system at a high volume, the cabinet temperature of the top, side and bottom rises considerably. To avoid burning yourself, do not touch the cabinet.
- To prevent a malfunction, do not cover the ventilation hole for the cooling fan.

On operation

- If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the CD player. Should this occur, the system will not operate properly. Remove the disc and leave the system turned on for about an hour until the moisture evaporates.
- When you move the system, take out any disc.

If you have any questions or problems concerning your system, please consult your nearest Sony dealer.

Notes on discs

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.
- Do not use solvents such as benzene, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.
- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.
- Do not use discs encircled with a protection ring. This may cause a malfunction to the system.
- When using discs that have glue or similar tacky substance on the label side of the disc or that used a special ink when the label was printed, there is a chance that the disc or label may become attached to parts inside this unit. When this occurs, it may not be possible to remove the disc, and may also cause this unit to malfunction. Be sure to check that the label side of the disc is not sticky before using.
  The following types of disc should not be used:
  - Rental or used discs with attached seals where the glue extends beyond the seal. The perimeter of the seal on the disc is tacky.
  - Discs that have labels printed using a special ink that feels tacky when touched.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.

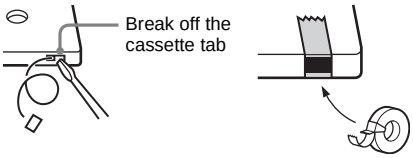
Cleaning the cabinet

Clean the cabinet, panel and controls with a soft cloth slightly moistened with mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as thinner, benzene or alcohol.

continued

To save a tape permanently

To prevent a tape from being accidentally recorded over, break off the cassette tab from side A or B as illustrated.



If you later want to reuse the tape for recording, cover the broken tab with adhesive tape.

Before placing a cassette in the tape deck

Take up any slack in the tape. Otherwise, the tape may get entangled in the parts of the tape deck and become damaged.

When using a tape longer than 90 minutes

The tape is very elastic. Do not change the tape operations such as play, stop, and fast-winding frequently. The tape may get entangled in the tape deck.

Cleaning the tape heads

Clean the tape heads after every 10 hours of use. Be sure to clean the tape heads before you start an important recording or after playing an old tape. Use a separately sold dry-type or wet-type cleaning cassette. For details, refer to the instructions of the cleaning cassette.

Demagnetising the tape heads

Demagnetise the tape heads and the metal parts that have contact with the tape after every 20 to 30 hours of use with a separately sold demagnetising cassette. For details, refer to the instructions of the demagnetising cassette.

Specifications

Amplifier section

European model:

DIN power output (rated): 75 + 75 watts (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference): 100 + 100 watts (6 ohms at 1 kHz, 10% THD)

Music power output (reference): 200 + 200 watts (6 ohms at 1 kHz, 10% THD)

Except for European model:

The following measured at AC 120, 220, 240 V AC, 50/60 Hz (Australian model at 240 V AC, 50/60 Hz, Korean model at 220 V AC, 60 Hz, Taiwan model at 120 V AC, 50/60 Hz)

DIN power output (rated): 100 + 100 watts (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference): 140 + 140 watts (6 ohms at 1 kHz, 10% THD)

Inputs

MD (VIDEO) IN (phono jacks): Voltage 450 mV/250 mV, impedance 47 kilohms

Outputs

PHONES (stereo mini jack): Accepts headphones of 8 ohms or more

MD (VIDEO) OUT (phono jacks): Voltage 250 mV, impedance 1 kilohms

FRONT SPEAKER: Use only the supplied speaker SS-WZ50/WZ5/WZ5E

SUB WOOFER (Except for European model): Voltage 320 mV, impedance 1 kilohms

CD player section

System	Compact disc and digital audio system
Laser	Semiconductor laser (λ=780 nm) Emission duration: continuous
Frequency response	2 Hz – 20 kHz (±0.5 dB)
Wavelength	780 – 790 nm
Signal-to-noise ratio	More than 90 dB
Dynamic range	More than 90 dB

OPTICAL CD DIGITAL OUT (European and Australian models only)
(Square optical connector jack, rear panel)
Wavelength 660 nm

Tape deck section

Recording system 4-track 2-channel, stereo
Frequency response 50 – 13,000 Hz (±3 dB), using Sony TYPE I cassettes
Wow and flutter ±0.15% W. Peak (IEC)
0.1% W. RMS (NAB)
±0.2% W. Peak (DIN)

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range 87.5 – 108.0 MHz
antenna FM lead antenna
antenna terminals 75 ohms unbalanced
Intermediate frequency 10.7 MHz

AM tuner section

Tuning range
European model: 531 – 1,602 kHz (with the tuning interval set at 9 kHz)
Latin American model: 530 – 1,710 kHz (with the tuning interval set at 10 kHz)
531 – 1,710 kHz (with the tuning interval set at 9 kHz)
Other models: 531 – 1,602 kHz (with the tuning interval set at 9 kHz)
530 – 1,710 kHz (with the tuning interval set at 10 kHz)
antenna AM loop antenna
antenna terminals External antenna terminal
Intermediate frequency 450 kHz

Speaker

Front speaker
European model (SS-WZ5E):

Speaker system 2-way, 2-unit, bass-reflex type
Speaker units
Woofer: 16 cm, cone type
Tweeter: 5 cm, cone type
Nominal impedance 6 ohms
Dimensions (w/h/d) Approx. 200 × 395 × 260 mm
Mass Approx. 4.5 kg net per speaker

Except for European model (SS-WZ50/WZ5):

Speaker system 3-way, 3-unit, bass-reflex type
Speaker units
Sub Woofer: 15 cm, cone type
Woofer: 15 cm, cone type
Tweeter: 5 cm, cone type
Nominal impedance 6 ohms
Dimensions (w/h/d) Approx. 220 × 415 × 290 mm
Mass Approx. 6.0 kg net per speaker

General

Power requirements
European model: 230 V AC, 50/60 Hz
Australian model: 230 – 240 V AC, 50/60 Hz
Korean model: 220 V AC, 60 Hz
Taiwan model: 120 V AC, 50/60 Hz
Other models: 120 V, 220 V or 230 – 240 V AC, 50/60 Hz
Adjustable with voltage selector

Power consumption
European model: 150 watts
0.3 watts (at the Power Saving Mode)
Except for European model: 180 watts
Dimensions (w/h/d)
CD player/Tuner: Approx. 255 × 135 × 355 mm
Amplifier/Tape deck: Approx. 255 × 135 × 330 mm
Mass
CD player/Tuner: Approx. 2.8 kg
Amplifier/Tape deck
European model: Approx. 6.0 kg
Except for European model: Approx. 6.3 kg

Supplied accessories: Remote Commander (1)
Batteries (2)
AM loop antenna (1)
FM lead antenna (1)
Front speaker pads (8)
Speaker cords (2)

Design and specifications are subject to change without notice.

List of button locations and reference pages

How to use this page

Use this page to find the location of buttons and other parts of the system that are mentioned in the text.

Illustration number

TAPE A/B 25 (16, 18)

Name of button/part — Reference page

Main unit

ALPHABETICAL ORDER

A – L

CD 5 (9, 10, 17, 18)
CD SYNC 9 (17)
Control lever 7 (7, 20)
Deck A 26
Deck B 23
DIMMER 20 (24)
Disc tray 22
DISPLAY 19 (15, 23, 24)
Display window 21
EQ EDIT 18 (20, 29)
GROOVE 7 (19)
Headphone jack 12

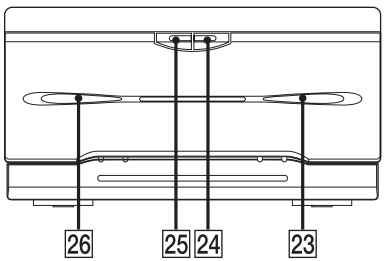
M – Z

MD (VIDEO) 2 (26)
MOVIE MODE 7 (19)
MUSIC MODE 7 (19, 20)
PLAY MODE/DIRECTION 15 (9, 10, 16, 17, 18, 30)
PUSH ENTER 7 (8, 10, 12, 20, 21, 22)
Remote sensor 13
REPEAT/FM MODE 16 (10, 14)
SURROUND 7 (20)
TAPE A/B 3 (16, 17, 18)
TUNER MEMORY 14 (12)
TUNER/BAND 6 (12, 13, 18)
TUNING MODE 17 (12, 13)
VOLUME 11 (21)

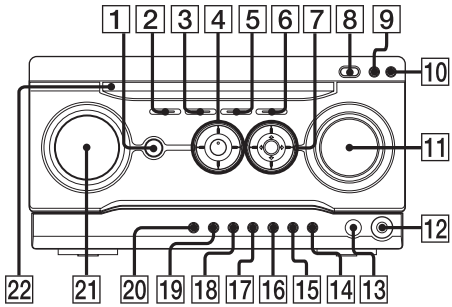
BUTTON DESCRIPTIONS

I/⏻ (power) 1 (7, 13, 21, 29)
II (pause) 4 (9, 16)
A ⏏ (eject) 25 (15)
⏏ B (eject) 24 (15)
◄► (play) 4 (9, 16, 17)
■ (stop) 4 (7, 9, 13, 16, 17, 29)
+►►►►I (fast forward/go forward) 4 (8, 9, 12, 16, 21, 30)
I◄◄◄◄– (rewind/go back) 4 (8, 9, 12, 16, 21)
⏏ (open/close) 8 (8)
● START 10 (17, 18)

Amplifier/Tape deck



CD player/Tuner



ALPHABETICAL ORDER

A – L

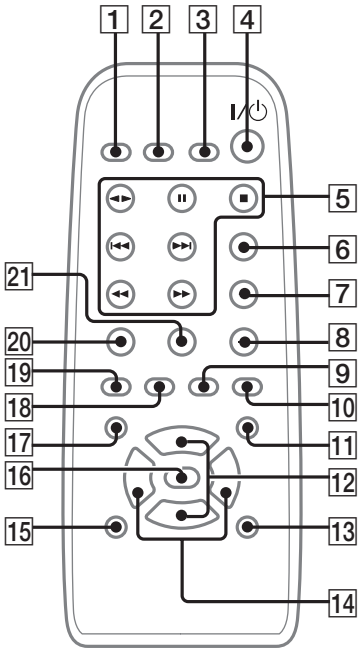
ALBUM +/– 14 (9, 10)
CD 9 (9, 10, 17, 18)
CLEAR 8 (11)
CLOCK/TIMER SELECT 2 (22, 23)
CLOCK/TIMER SET 3 (8, 21, 22)
DIMMER 7 (24)
DISPLAY 6 (15, 23, 24)
EFFECT 16 (19, 20)
ENTER 21 (8, 10, 12, 20, 22)
GROOVE 15 (19)

M – Z

MD (VIDEO) 19 (26)
MOVIE MODE 11 (19)
MUSIC MODE 17 (19, 20)
PRESET –/+ 5 (12, 13)
PROGRAM EDIT 20 (17)
SLEEP 1 (21)
SURROUND 13 (20)
TAPE A/B 18 (16, 17, 18)
TUNER/BAND 10 (12, 13, 18)
TUNING –/+ 5 (12, 13)
VOL +/– 12 (21)

BUTTON DESCRIPTIONS

I/⏻ (power) 4 (7, 13, 21)
◀◀/▶▶ (rewind/fast forward) 5 (9, 16, 30)
I◀◀/▶▶I (go back/go forward) 5 (8, 9, 16, 21)
◀▶ (play) 5 (9, 16, 17)
II (pause) 5 (9, 16)
■ (stop) 5 (9, 13, 16, 17)



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